What is claimed is:

1.   An internal information sharing system including various device terminals having a telephone function and a control unit for making a call connection on call origination and call
5   termination by each of said various device terminals, wherein said system has:

means for sending and receiving a call control message between each of said various device terminals and said control unit;

10   a storage device for storing information on said call control message together with time information; and

means for, when each of said various device terminals registers information with said control unit, transmitting the information already registered with said storage device to each
15   of said various device terminals.

2.   The internal information sharing system according to claim 1, wherein:

said various device terminals include at least one of an IP (Internet Protocol) telephone and an information processing
20   apparatus having IP telephone software connected to an LAN (Local Area Network) line respectively and a wireless LAN telephone terminal apparatus capable of making voice communication with them by connecting to a wireless LAN line; and

said control unit is a call connection control server for
25   making a call connection on the call origination and call termination by each of said various device terminals.

3.   The internal information sharing system according to claim 2, wherein: when said wireless LAN telephone terminal apparatus moves to an external network, history information on call origination and call termination in said external network is stored in an storage area inside said wireless LAN telephone terminal apparatus; and when the wireless LAN telephone terminal apparatus registers its location with a network to which one of said IP telephone and said information processing apparatus belongs, the information stored in the storage area inside the wireless LAN telephone terminal apparatus is transmitted to said storage device.

4.   The internal information sharing system according to claim 2, wherein, while said wireless LAN telephone terminal apparatus has its location registered with the network to which one of the IP telephone and said information processing apparatus belongs, said wireless LAN telephone terminal apparatus at least shares call control and line information with one of said IP telephone and said information processing apparatus.

5.   The internal information sharing system according to claim 4, wherein, while said wireless LAN telephone terminal apparatus has its location registered with the network to which one of said IP telephone and said information processing apparatus belongs, said call control and line information are transmitted from said call connection control server to the wireless LAN telephone terminal apparatus.

6.　The internal information sharing system according to claim 2, wherein said storage device is an external storage device connected to said call connection control server.

7.　The internal information sharing system according to claim

5　2, wherein at least one of said IP telephone and said information processing apparatus and said wireless LAN telephone terminal apparatus mutually give and receive peer-to-peer the information stored in the storage area inside each of the apparatuses.

8.　The internal information sharing system according to claim

10　1, wherein: said control unit is a private branch exchange for making a call connection on call origination and call termination by each of said various device terminals; and said various device terminals include a digital multifunctional telephone connected to said private branch exchange and a wireless terminal connected

15　by a wireless line to a base station connected to said private branch exchange.

9.　A call connection control server for making a call connection on call origination and call termination by at least one of an IP (Internet Protocol) telephone and an information processing

20　apparatus having IP telephone software connected to an LAN (Local Area Network) line respectively and a wireless LAN telephone terminal apparatus capable of making voice communication with them by connecting to a wireless LAN line, wherein said server has:

means for sending and receiving a call control message to and from said wireless LAN telephone terminal apparatus;

a storage device for storing information on said call control message together with time information; and

5 means for, when said wireless LAN telephone terminal apparatus registers its location via said wireless LAN line, transmitting the information already registered with said storage device to said wireless LAN telephone terminal apparatus.

10. The call connection control server according to claim 9,
10 wherein: when said wireless LAN telephone terminal apparatus moves to an external network, history information on call origination and call termination in said external network is stored in an storage area inside said wireless LAN telephone terminal apparatus; and when the wireless LAN telephone terminal apparatus
15 registers its location with a network to which one of said IP telephone and said information processing apparatus belongs, the information stored in the storage area inside the wireless LAN telephone terminal apparatus is transmitted to said storage device.

20 11. The call connection control server according to claim 9, wherein, while said wireless LAN telephone terminal apparatus has its location registered with the network to which one of said IP telephone and said information processing apparatus belongs, said wireless LAN telephone terminal apparatus at least shares
25 call control and line information with one of said IP telephone and said information processing apparatus.

12. The call connection control server according to claim 11, wherein, while said wireless LAN telephone terminal apparatus has its location registered with the network to which one of said IP telephone and said information processing apparatus belongs,

5   said call control and line information are transmitted from said call connection control server to the wireless LAN telephone terminal apparatus.

13. The call connection control server according to claim 9, wherein an external storage device connected to the call

10   connection control server is used as said storage device.

14. A wireless LAN telephone terminal apparatus capable of making voice communication by connecting via a wireless LAN line to at least one of an IP (Internet Protocol) telephone and an information processing apparatus having IP telephone software connected to

15   an LAN (Local Area Network) line respectively wherein said wireless LAN telephone terminal apparatus has:

means for sending and receiving a call control message to and from a call connection control server for making a call connection on call origination and call termination by at least

20   one of said IP telephone and said information processing apparatus; and

means for, when the information already registered with a storage device for storing information on said call control message together with time information is transmitted to the

25   wireless LAN telephone terminal apparatus on registering a

location of the wireless LAN telephone terminal apparatus via said wireless LAN line, storing the information in an internal storage area.

15. The wireless LAN telephone terminal apparatus according to

5   claim 14, wherein said wireless LAN telephone terminal apparatus includes: means for, when the wireless LAN telephone terminal apparatus moves to an external network, storing in said internal storage area history information on call origination and call termination in said external network; and means for, when

10 registering the location with a network to which one of said IP telephone and said information processing apparatus belongs, transmitting to said storage device the information stored in said internal storage area.

16. The wireless LAN telephone terminal apparatus according to

15 claim 14, wherein, while the location is registered with the network to which one of said IP telephone and said information processing apparatus belongs, at least call control and line information are shared with one of said IP telephone and said information processing apparatus.

20 17. The wireless LAN telephone terminal apparatus according to claim 16, wherein, while the location is registered with the network to which one of said IP telephone and said information processing apparatus belongs, said call control and line information from said call connection control server are

25 registered in said internal storage area.

18.   The wireless LAN telephone terminal apparatus according to claim 14, wherein said storage device is an external storage device connected to said call connection control server.

19.   The wireless LAN telephone terminal apparatus according to
5   claim 14, wherein at least one of said IP telephone and said information processing apparatus and said wireless LAN telephone terminal apparatus mutually give and receive peer-to-peer the information stored in the storage area inside each of the apparatuses.

10   20.   An internal information sharing method of a system including various device terminals having a telephone function and a control unit for making a call connection on call origination and call termination by each of said various device terminals, wherein said method has:
15   a step of sending and receiving a call control message between each of said various device terminals and said control unit; and
        a step of, when each of said various device terminals registers information with said control unit, transmitting to each of said various device terminals the information already
20   registered with a storage device for storing information on said call control message together with time information.

21.   The internal information sharing method according to claim 20, wherein:

said various device terminals include at least one of an
IP (Internet Protocol) telephone and an information processing
apparatus having IP telephone software connected to an LAN (Local
Area Network) line respectively and a wireless LAN telephone
5   terminal apparatus capable of making voice communication with
them by connecting to a wireless LAN line; and

said control unit is a call connection control server for
making a call connection on the call origination and call
termination by each of said various device terminals.

10   22.   The internal information sharing method according to claim
21, wherein: when said wireless LAN telephone terminal apparatus
moves to an external network, history information on call
origination and call termination in said external network is
stored in an storage area inside said wireless LAN telephone
15   terminal apparatus; and when the wireless LAN telephone terminal
apparatus registers its location with a network to which one of
said IP telephone and said information processing apparatus
belongs, the information stored in the storage area inside the
wireless LAN telephone terminal apparatus is transmitted to said
20   storage device.

23.   The internal information sharing method according to claim
21, wherein, while said wireless LAN telephone terminal apparatus
has its location registered with the network to which one of said
IP telephone and said information processing apparatus belongs,
25   said wireless LAN telephone terminal apparatus at least shares

call control and line information with one of said IP telephone
and said information processing apparatus.

24.   The internal information sharing method according to claim
23, wherein, while said wireless LAN telephone terminal apparatus
5   has its location registered with the network to which one of said
IP telephone and said information processing apparatus belongs,
said call control and line information is transmitted from said
call connection control server to the wireless LAN telephone
terminal apparatus.

10   25.   The internal information sharing method according to claim
21, wherein said storage device is an external storage device
connected to said call connection control server.

26.   The internal information sharing method according to claim
20, wherein:
15   said control unit is a private branch exchange for making
a call connection on call origination and call termination by
each of said various device terminals; and
     said various device terminals include a digital
multifunctional telephone connected to said private branch
20   exchange and a wireless terminal connected by a wireless line
to a base station connected to said private branch exchange.

27.   A program of an internal information sharing method of a
system including various device terminals having a telephone
function and a control unit for making a call connection on call

origination and call termination by each of said various device terminals, wherein said program causes a computer to execute:

a process of sending and receiving a call control message between each of said various device terminals and said control
5 unit; and

a process of, when each of said various device terminals registers information with said control unit, transmitting to each of said various device terminals the information already registered with said storage device for storing the information
10 on said call control message together with time information.